

MINISTRY OF ENVIRONMENT & FORESTRY

STATE DEPARTMENT OF ENVIRONMENT

KENYA METEOROLOGICAL DEPARTMENT

COUNTY METEOROLOGICAL SERVICE

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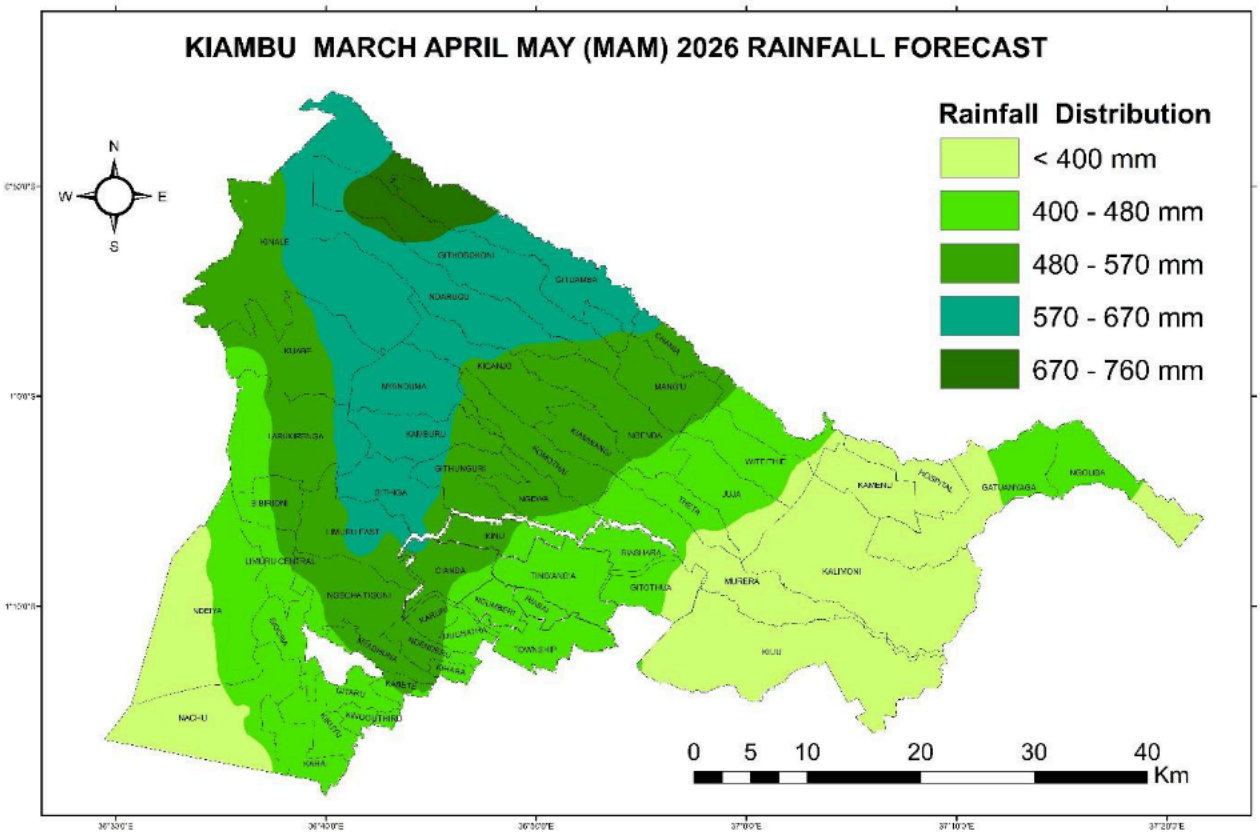
DATE OF ISSUE: 12TH FEBRUARY 2026

SUMMARY OF MARCH-APRIL-MAY (MAM) 2026 LONG RAINS SEASONAL FORECAST

1. The expected long rain season is likely to be nearly average to above average. Occasional heavy rains are expected to occur in several parts of the county.
2. Rainfall onset expected to be between second to third weeks of March. The spatial and temporal distribution of precipitation is expected to be fair to good.
3. End of rain (cessation) is expected to be third to fourth week of May.
4. The peak of the rain fall is expected to occur in April.

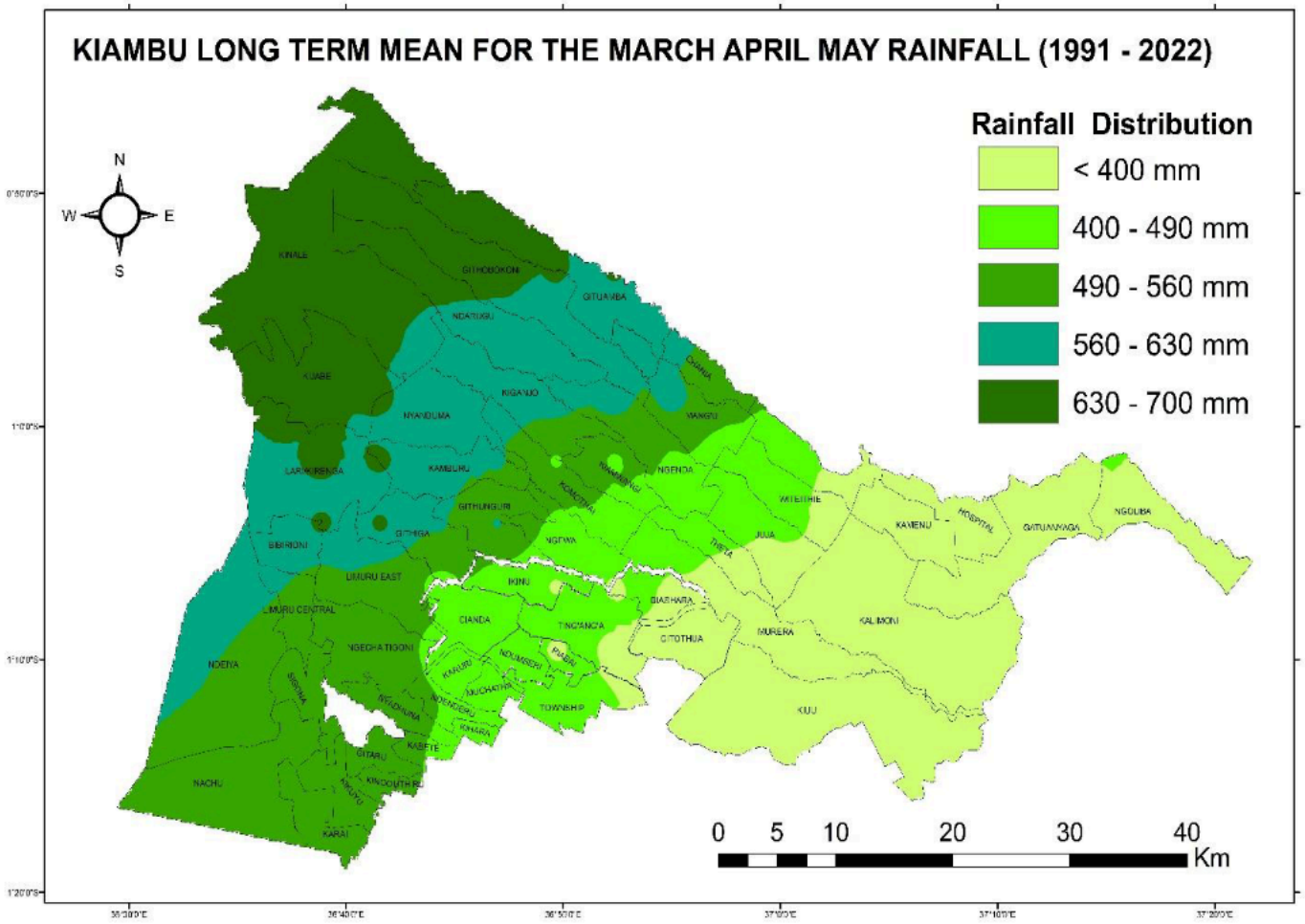
The predicted onsets, cessations, and distribution of rainfall were derived from dynamical models and statistical analysis of the past year, which showed similar characteristics to the current year. The analogue (similar) year chosen was 2023. The rainfall outcomes for this analogue year are for reference only and should not be interpreted as part of the forecast. Rather, they provide a sense of the rainfall outcomes that can occur given broadly similar global climate conditions.

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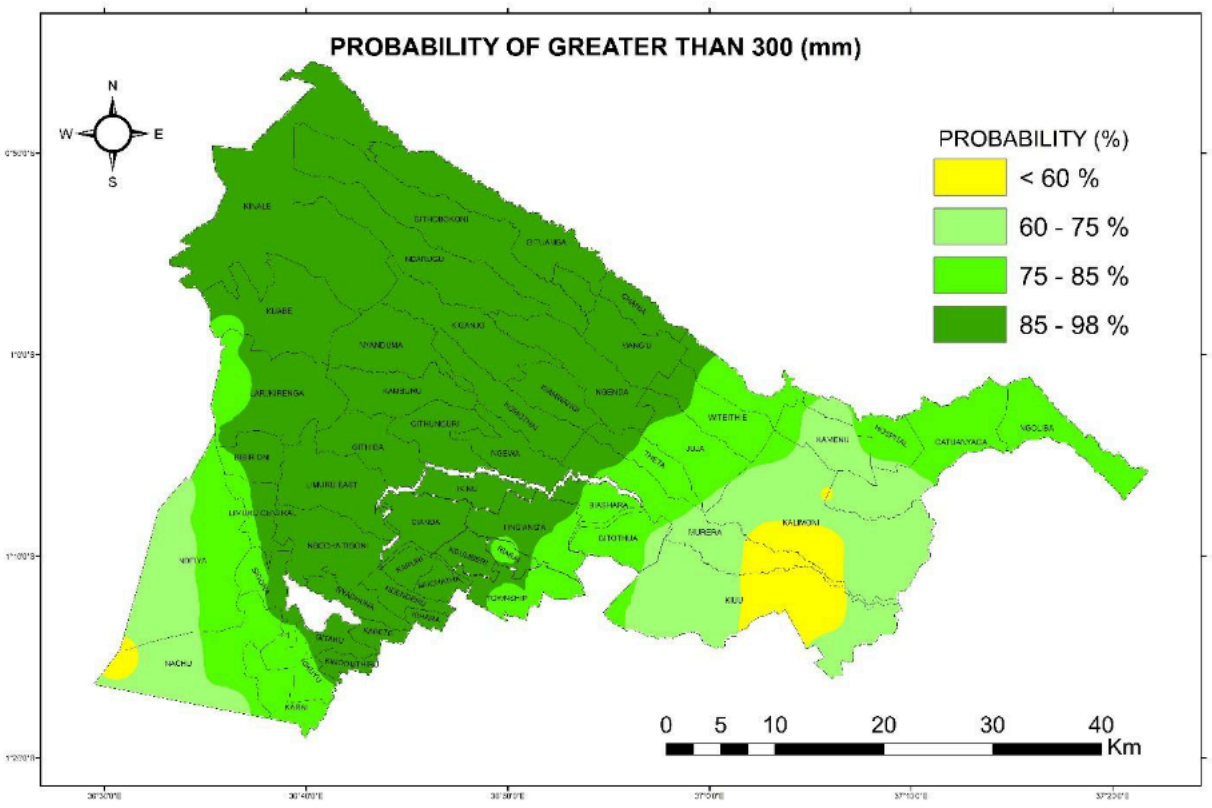
For the MAM2026 season data indicates near to above normal rainfall scenarios for all the regions. However, some areas in Ndeiya and Nachu wards are likely to receive below normal rainfall compared to climatology.

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The Long Term Mean indicates that for the March April May season the total rainfall ran from near 400mm to the South East to about 700mm in the North west region.

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The forecasting model output depicts the probability of exceedance of the 300mm threshold is high over most places. This is consistent with the March April May climatology. Therefore, with respect to the forecasted distribution patterns there is high likelihood for good rainfall performance in all sectors during the MAM2026 rainfall period.

POTENTIAL IMPACTS

In view of the forecasted Near Normal to Above Normal rainfall, many sectors are likely to be impacted in various ways. With adequate preparations, the county can avoid some of the likely negative impacts while taking full advantage of the positive ones. The likely impacts are highlighted.

Agriculture, Food Security and Livestock Sectors

The Near Normal to Above Normal rainfall expected may have positive and negative impacts on agriculture, food security and livestock. In the agricultural areas of the County the farming communities should liaise with the county department of Agriculture for appropriate land use management and for advice on the appropriate crops to be planted.

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Transport and Public Safety
Flash floods during occasional rainstorms may lead to destruction of transport systems, especially infrastructure in low-lying areas. County Ministry of Roads & Public Works should open the drainage path ways and have the necessary resources ready for any eventuality.

Water Resources Management Sector
The Near Normal to Above Normal rainfall forecasted may lead to increased aquifer recharge and availability of water for all uses. Rain water harvesting any time it rains should also be encouraged to boost water availability in homes.

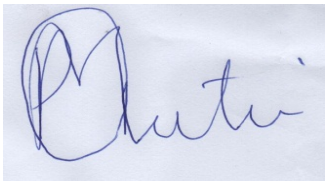
Energy Sector
The river catchment areas within the county are forecasted to receive Near Normal to Above Normal rainfall. Water levels in catchment areas and water pans are expected to increase.

Health Sector
The Near Normal to Above Normal rainfall is likely to lead to reduced malnutrition cases. Increased water availability may lead to reduced WASH related diseases.
Possible flooding may lead to:
a) Deaths, water contamination and subsequent outbreaks of waterborne diseases (e.g. cholera, typhoid and bilharzia) and vector-borne diseases (e.g. malaria, dengue and Rift Valley Fever).

Environment and Natural Resources Sectors
a) The Near Normal to Above Normal rainfall is likely to lead to increased forest growth and
regeneration through afforestation, reforestation and restoration activities.
b) Enhanced water availability in forest catchments. Improved forest biodiversity and ecosystem health.
c) Enhanced business opportunities for establishment of tree nurseries to raise stock for tree growing. Improved food security through Plantation Establishment and Livelihood
Improvement Scheme (PELIS) within forest areas.

NB: This outlook should be used with 24 hour,7-day and monthly forecasts and regular updates issued by Kenya Meteorological Department.

Signed



PETER M.KARANJA.
COUNTY DIRECTOR KIAMBU

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